## EXPANDED DATA TRANSFORMATION

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## Assumptions

and optionally

(see separate Domain Mappings' notes)

key property: &', B' surjective - they map the new expanded data to all the old data different choices of a, B are possible in general for the same a', B', i.e. the same old data may be expanded in different ways as new data

A/B1

## Default Approach

use a, B as inverses of d', B'

everything works the same as in the isomorphic data transformation, whose proofs only use a'd and B'B but not da' and BB' (which are missing here), but some pictures are slightly different since things may not be isomorphic:



